



1999 Toxics Release Inventory

OKLAHOMA

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	20,317,818	12,538,066	32,855,884
Air Emissions	16,763,490	1,563,013	18,326,503
Surface Water Discharges	3,046,633	16,578	3,063,211
Underground Injection Class I Wells	52,827	2,513,899	2,566,726
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	82,801	6,264,394	6,347,195
Other On-site Land Releases	372,067	2,180,182	2,552,249
Off-site Releases (Transfers Off-site to Disposal)*	2,643,197	1,570,176	4,213,373
Total On- and Off-site Releases	22,961,015	14,108,242	37,069,257
Recycled On-site	39,567,380	0	39,567,380
Recycled Off-site	22,990,740	2,007,159	24,997,899
Energy Recovery On-site	231,400	0	231,400
Energy Recovery Off-site	1,525,109	45,994	1,571,103
Treated On-site	34,661,231	5,279,467	39,940,698
Treated Off-site**	1,784,576	6,435	1,791,011
Quantity Released On- and Off-site***	22,806,188	14,147,763	36,953,951
Total Production-related Waste Managed	123,566,624	21,486,818	145,053,442
Total Non-production-related Waste Managed	42,764	570	43,334

Transfers Off-site for Further Waste Management/Disposal

Recycling	22,958,762	2,007,158	24,965,920
Energy Recovery	1,469,515	45,964	1,515,479
Treatment	560,248	2,247	562,495
Publicly Owned Treatment Works (POTWs)	1,521,599	63,277	1,584,876
Metals and Metal Compounds*	13,219	5	13,224
Non-metal TRI Chemicals**	1,508,380	63,272	1,571,652
Other Off-site Transfers****	0	0	0
Off-site Transfers to Disposal (not including metals to POTWs)	2,827,223	1,570,756	4,397,979
Total Transfers Off-site for Further Waste Management/Disposal	29,337,347	3,689,402	33,026,749

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

**** Transfers reported without a valid waste management code.

For More Information . . .

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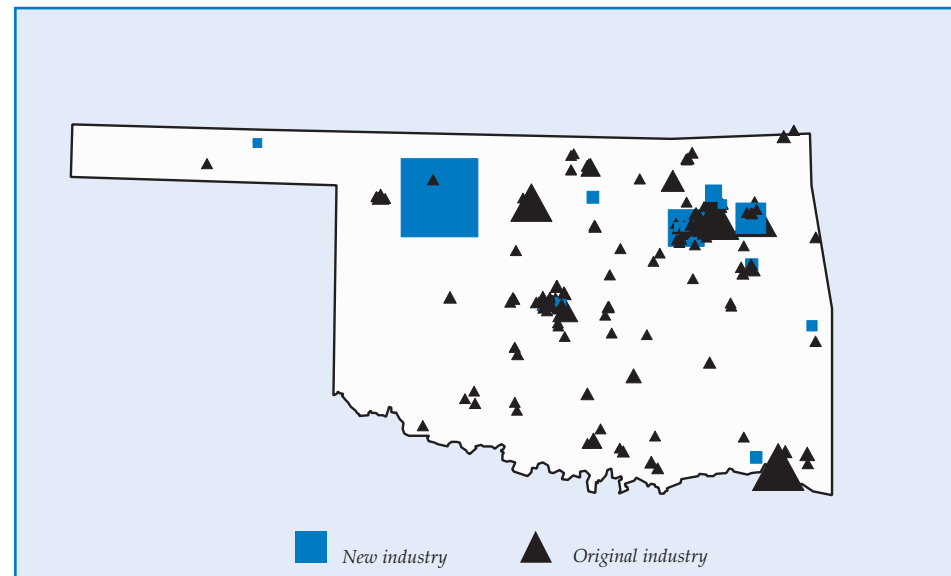
(214) 665-8116

To obtain TRI data use

assistance, call TRI User
Support Service (TRI-US):

(202) 260-1531

Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Oklahoma. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	3,358,044
Square Miles	68,679
Total Facilities	297
Total Forms	1,042
Form As	190

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	29	33	34
Pounds	22,961,015	14,108,242	37,069,257
National Rank for Total On-site Releases**			
Rank	29	33	33
Pounds	20,317,818	12,538,066	32,855,884
National Rank for Total Releases within State***			
Rank	24	33	30
Pounds	38,357,158	13,939,992	52,297,150
National Rank for Production-related Waste Managed			
Rank	33	35	37
Pounds	123,566,624	21,486,818	145,053,442

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



1999 Toxics Release Inventory

OKLAHOMA

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7664-41-7	Ammonia	5,703,809	63,194	0	596	1,600	5,769,199	1,008,594	1,600	0
--	Nitrate compounds	31	2,928,934	48,794	11,913	3,928	2,993,600	6,822,047	3,928	0
67-56-1	Methanol	2,870,223	8,893	0	12,608	1,800	2,893,524	18,956	0	1,800
108-88-3	Toluene	1,367,717	101	3,200	1,245	70,672	1,442,935	2,177	1	70,671
1330-20-7	Xylene (mixed isomers)	1,237,957	198	0	1,072	8,820	1,248,047	33,360	4	8,816
--	Zinc compounds	33,939	4,498	376	55,871	775,332	870,016	707,414	349,025	445,556
78-93-3	Methyl ethyl ketone	609,518	63	0	90	29,435	639,106	1,188	10,650	18,785
--	Manganese compounds	7,326	18,576	0	8,994	461,413	496,309	178,900	31,188	433,925
100-42-5	Styrene	488,039	0	0	0	750	488,789	0	750	0
7429-90-5	Aluminum (fume or dust)	8,213	0	0	57,622	382,745	448,580	0	330,000	52,745

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
--	Barium compounds	32,982	3,153	0	2,036,297	923,237	2,995,669	1,903	809,010	114,227
--	Lead compounds	450	5	0	2,426,713	3	2,427,171	22,907	0	3
--	Nitrate compounds	0	0	2,384,931	0	4,175	2,389,106	2,136	0	4,175
--	Zinc compounds	4,628	3,170	750	983,458	79,006	1,071,012	44,980	45,690	33,316
--	Chromium compounds	1,704	210	0	969,844	39,296	1,011,054	7,371	16,105	23,191
7664-39-3	Hydrogen fluoride	929,907	0	0	0	0	929,907	0	0	0
--	Manganese compounds	3,601	615	0	294,116	421,260	719,592	537	164,010	257,250
--	Copper compounds	1,751	5,980	0	460,756	35,715	504,202	16,023	25,710	10,005
--	Nickel compounds	372	560	0	361,964	37,908	400,804	6,800	11,000	26,908
7647-01-0	Hydrochloric acid	388,230	0	0	0	0	388,230	0	0	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



1999 Toxics Release Inventory

OKLAHOMA

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases*	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State	Transferred Out of State
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Terra Nitrogen Ltd. Partnership, Claremore, Rogers	2,897,820	277,250	0	0	0	1,250	3,176,320	0	0
Weyerhaeuser Co., Valliant, Mc Curtain	2,895,001	42,057	0	0	30,274	0	2,967,332	0	0
Protein Techs. Intl. Inc., Pryor, Mayes	203	2,408,045	0	0	0	811	2,409,059	0	0
Farmland Inds. Inc., Enid, Garfield	2,212,394	5,810	0	0	0	500	2,218,704	0	0
GM SCG - Oklahoma City Assembly, Oklahoma City, Oklahoma	1,039,321	0	0	0	0	0	1,039,321	7,015	17,837
Baker Petrolite Corp., Barnsdall, Osage	894,500	0	3,200	0	0	0	897,700	0	0
Conoco Inc. - Ponca City Refy., Ponca City, Kay	600,916	10,586	0	0	0	11,633	623,135	14	112
TPI Petroleum Inc., Ardmore, Carter	222,988	220,543	0	0	0	0	443,531	0	86
Terra Nitrogen Corp. Woodward Complex, Woodward, Woodward	380,865	43,550	0	0	0	0	424,415	0	0
Fort James Operating Co., Muskogee, Muskogee	334,571	9,620	0	0	0	13,202	357,393	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection				On-site Releases to Land			Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Safety-Kleen (Lone & Grassy Mountain) Inc.-Lone Mnt. Fac., Waynoka, Major	1,205	0	0	0	6,264,394	0	6,265,599	0	1,781
Perma-Fix Treatment Services, Tulsa, Tulsa	0	0	2,513,899	0	0	0	2,513,899	9,980	4,175
Grand River Dam Authority Coal-Fired Complex, Chouteau, Mayes	209,255	805	0	0	0	1,743,000	1,953,060	0	0
Northeastern Station, Oologah, Rogers	302,111	7,280	0	0	0	389,287	698,678	0	0
Muskogee Generating Station, Muskogee, Muskogee	332,649	7,984	0	0	0	6,053	346,686	692,125	0
Sooner Generating Station, Red Rock, Noble	256,094	499	0	0	0	34,460	291,053	170,420	0
Western Farmers Electric Coop, Hugo, Choctaw	262,712	0	0	0	0	7,382	270,094	0	0
AES Shady Point Generation Plant, Panama, Le Flore	150,459	0	0	0	0	0	150,459	208,000	484,280
Turpin Refined Prods. Terminal, Turpin, Beaver	16,865	0	0	0	0	0	16,865	0	0
Conoco Inc. - Glenpool Prods. Terminal, Jenks, Tulsa	10,498	0	0	0	0	0	10,498	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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OKLAHOMA

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- production- related Waste Managed Pounds
Terra Nitrogen Ltd. Partnership, Claremore, Rogers	2,200,000	56,500	0	0	133,000	0	3,181,190	5,570,690	456
Weyerhaeuser Co., Valliant, Mc Curtain	0	0	0	0	4,624,007	0	2,967,582	7,591,589	0
Protein Techs. Intl. Inc., Pryor, Mayes	0	0	0	0	16,812,776	0	2,409,059	19,221,835	0
Farmland Inds. Inc., Enid, Garfield	2,153,000	35,000	0	0	813,600	0	2,217,741	5,219,341	0
GM SCG - Oklahoma City Assembly, Oklahoma City, Oklahoma	0	272,060	0	50,500	63,650	28,471	1,059,000	1,473,681	0
Baker Petrolite Corp., Barnsdall, Osage	32,497,000	0	0	100	0	0	870,500	33,367,600	24,000
Conoco Inc. - Ponca City Refy., Ponca City, Kay	0	47,251	0	0	1,494,486	1,019	623,138	2,165,894	0
Zinc Corp. of America, Bartlesville, Washington	0	0	0	0	0	0	535,603	535,603	111
Advance Food Co., Enid, Garfield	0	0	0	0	500,000	0	500,000	1,000,000	1
TPI Petroleum Inc., Ardmore, Carter	197,865	0	0	0	4,814,314	17,205	443,531	5,472,915	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- production- related Waste Managed Pounds
Safety-Kleen (Lone & Grassy Mountain) Inc.-Lone Mnt. Fac., Waynoka, Major	0	0	0	0	137,464	1,957	6,267,380	6,406,801	0
Perma-Fix Treatment Services, Tulsa, Tulsa	0	0	0	0	2,575,975	4,145	2,586,703	5,166,823	0
Grand River Dam Authority Coal-Fired Complex, Chouteau, Mayes	0	0	0	0	1,080,000	0	1,951,000	3,031,000	8
Muskogee Generating Station, Muskogee, Muskogee	0	0	0	0	400,000	0	1,033,800	1,433,800	0
AES Shady Point Generation Plant, Panama, Le Flore	0	0	0	0	0	0	841,000	841,000	0
Northeastern Station, Oologah, Rogers	0	0	0	0	728,900	0	697,400	1,426,300	0
Sooner Generating Station, Red Rock, Noble	0	0	0	0	290,000	0	457,600	747,600	0
Western Farmers Electric Coop, Hugo, Choctaw	0	0	0	0	0	0	269,094	269,094	0
Turpin Refined Prods. Terminal, Turpin, Beaver	0	0	0	0	26,168	0	15,634	41,802	0
Conoco Inc. - Glenpool Prods. Terminal, Jenks, Tulsa	0	0	0	0	0	16	10,498	10,514	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.